Cyber Security Exam Questions

Q1.

A car insurance company sells policies to customers all over the UK.

The company uses encrypted emails to send insurance documents to customers.

Using encrypted emails keeps the data safe when it is being transmitted.

Describe how encryption protects transmitted data.

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(Total for question = 3 marks)

Q2.

Jim has his own personal training business.

To access his cloud storage area Jim logs in using his unique username and password.

Annotate the image to explain **two** ways the login page keeps his details secure when logging in.

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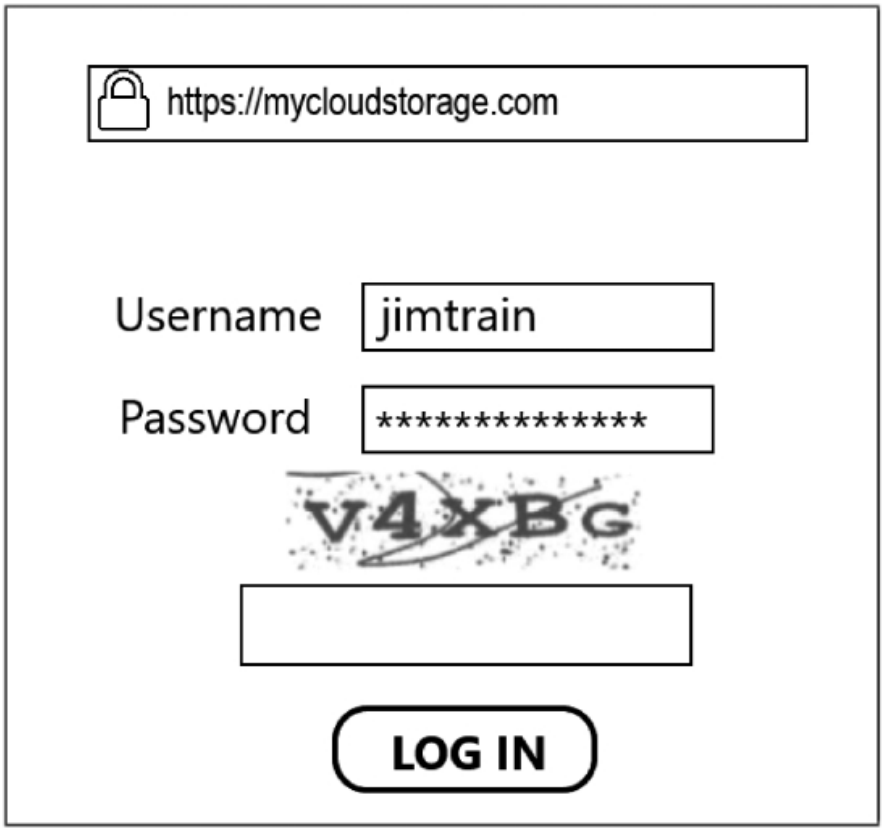

(Total for question = 4 marks)

Q3.

The staff at a local driving school keep learners' data in a database.

They are worried about the possible criminal use of their computer systems.

The driving school uses anti-virus software.

Describe how anti-virus software protects data.

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(Total for question = 4 marks)

Q4.

Mina works for a computer network installation company.

He designs and installs computer networks.

Mina works remotely.

When Mina is installing networks he uses open wi-fi networks to access data.

Explain **two** possible external security threats to Mina when using open wi-fi networks.

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(Total for question = 4 marks)